



Did you know?:

Science Interactives Illustrate NASA Computational Applications

The NASA Earth-Sun System Technology Office (ESTO) Computational Technologies (CT) Project and Truth-N-Beauty Software recently concluded a 2-year partnership to communicate how ESTO/CT Round-3 investigators use high-performance computing to better understand and predict natural phenomena. This partnership produced 12 “science interactives,” mini-simulations that allow anyone to change physical parameters and watch the effects.

The interactives illustrate computational applications from across the Earth-Sun System and Universe areas, with topics as varied as climate, earthquakes, invasive species, space weather, and gamma ray bursts. Accompanying stories provide lay-accessible background on the research topics. ESTO/CT investigators are quoted experts in these stories.

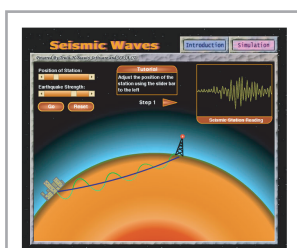
Truth-N-Beauty established publishing agreements with some of the world’s leading science Web sites. Astronomy Magazine (www.astronomy.com) has two interac-

tives in its “Astro for Kids” section. Discover Magazine (www.discover.com) has promoted three interactives with highly visible animated banners on its home page and plans to publish two additional interactives. A Scientific American (www.sciam.com) “Recreations” page dedicates an “Interactives Games” category to four interactives.

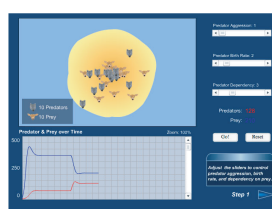
In addition to the Web sites, the interactives have been demonstrated in NASA exhibits at the SC2002 (Baltimore) and SC2003 (Phoenix) high-performance computing conferences as well as at the American Geophysical Union Fall 2004 Meeting (San Francisco). ESTO/CT is currently working with NASA partners to promote availability of the interactives to science museums across the country.

The complete collection of science interactives is available at: www.truth-n-beauty.com/NasaCT

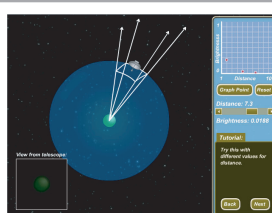
For more information about emerging NASA technologies for science and exploration please visit <http://esto.nasa.gov>



Watch seismic waves travel through Earth during an earthquake.



Explore the way populations of predators and their prey interact.



Explore how the properties of Gamma Ray Bursts change depending on their distance from Earth